

CONTACT INFORMATION

@ moreno.quentin20@gmail.com  
+33 628 480 516  
Quentin-s\_portfolio  
linkedin.com/in  
github.com/KantMG

Address : 427 route de Broche,  
Saint Laurent des Hommes, France

LANGUAGES

French : Native  
English : Fluent  
Spanish : Basic

TECHNICAL SKILLS

- Programming Languages : Python - Fortran95
- Data Analysis Libraries : NumPy - Pandas - SciPy - scikit-learn - TensorFlow
- Data Visualization Tools : Plotly - Matplotlib - Power BI
- Database Management : SQL - database integration
- Development Practices : API integration - writing production-ready code

INTERPERSONAL SKILLS

- Analytical Thinking : Developed models for insightful data interpretation improving research outcomes.
- Problem-Solving Skills : Ability to tackle complex data-driven challenges efficiently.
- Collaboration : Worked with interdisciplinary teams for experimental designs and insights integration.
- Communication Skills : Effectively presented research at international conferences and workshops.
- Project Management : Successfully managed multiple projects ensuring timely completion and quality.

QUENTIN MORENO-GELOS

Data Scientist

Python - SQL - Machine Learning - 8 years of experience

EXPERIENCE

POSTDOCTORAL RESEARCHER

01/2019-12/2023

ELI-beamlines

- Developed predictive models on shock dynamics, enhancing analytical techniques for data-driven environments.
- Executed over 50 high-performance numerical simulations, refining model accuracy using supercomputing resources.
- Created data visualization tools in Python, improving communication of simulation results to stakeholders.
- Collaborated internationally on laboratory experiments, aggregating insights from large datasets to guide decisions.
- Authored 10 scientific articles and presented at 6 international conferences, showcasing effective communication skills.

DOCTORAL RESEARCHER

10/2015-12/2018

Centre Lasers Intenses et applications (CELIA)

- Designed advanced models addressing plasma instabilities, contributing to theoretical frameworks in astrophysics.
- Managed over 100 large-scale simulations on supercomputers, improving predictive modeling capabilities.
- Integrated expertise from diverse team members for designing and implementing innovative laboratory experiments.
- Published 4 articles in peer-reviewed journals and presented at 3 international conferences.
- Mentored students in research methodology, fostering a data-centric academic environment.

EDUCATION

Online training in Machine/Deep Learning 10/2024-Present  
Focused on advanced machine learning techniques with an emphasis on independent data analysis studies; see my portfolio for details.

DOCTORAL DEGREE (PHD) : Bordeaux University

2015-2018

Thesis Title :

Non-relativistic collisionless shocks in laboratory astrophysics.

MASTER'S DEGREE : Bordeaux University

2013-2015

Astrophysics, Statistical physics, Computer Science